



Concordia
UNIVERSITY



**Concordia Institute
for Aerospace Design
& Innovation**



Objectives of the Institute

The objectives of the Concordia Institute for Aerospace Design and Innovation "CIADI" are to promote awareness and provide leading edge know-how among engineering students and practicing engineers in design and innovation, particularly in the field of aerospace, with emphasis on its multi-disciplinary nature.

CIADI is affiliated with the Faculty of Engineering and Computer Science.

Aerospace Education



Aerospace Education and Research

Undergraduate and graduate courses and programs offered will always be updated to reflect the cutting-edge, evolving knowledge of the aerospace industry.

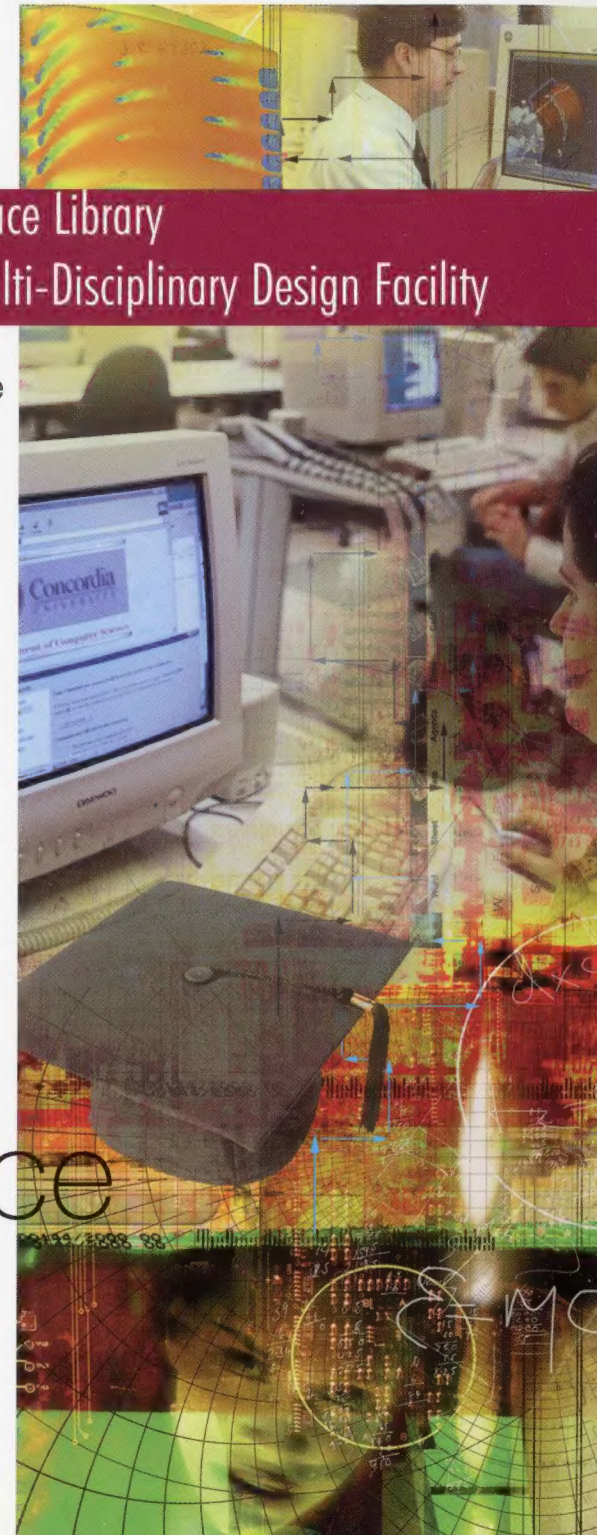
In addition to Concordia professors, expertise will be drawn from the aerospace industry and other universities to provide instruction in courses, seminars and workshops. The Institute may offer courses, seminars and workshops at industrial locations.

To enhance and complement the education of design integration, the Institute will conduct collaborative aerospace research, in the form of undergraduate and graduate student projects in Design and Innovation.

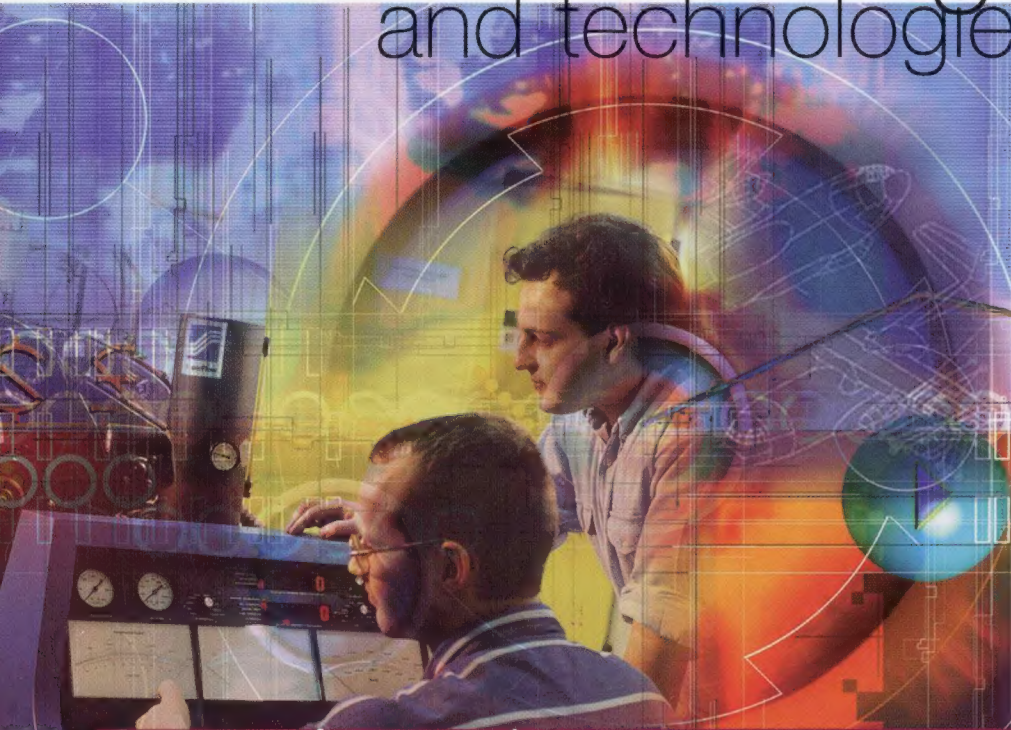
Aerospace Library and Multi-Disciplinary Design Facility

The Institute will provide an aerospace multi-disciplinary environment with state-of-the-art interactive computer facilities, hardware, display equipment, distance instruction, and a library, for the use of engineering students and practicing engineers.

Aerospace Library



Advanced designs and technologies



Promotion of Design and Innovation

The Institute fully supports the efforts of the Faculty of Engineering and Computer Science in promoting and reinforcing the design and innovation activities of engineering students across all departments, using advanced tools and approaches. This includes collaborations with other Canadian and International Design institutions.

Partnerships have already been established with the "Advanced Design and Manufacturing Institute ADMI", a consortium of McMaster, Toronto, Waterloo and Western Ontario Universities, the "MIT Gas Turbine Laboratory" in Boston, "Concepts ETI" in New Hampshire and the "Von-Karman Institute VKI" in Brussels.



Advisory Board

The Institute will be managed by an Advisory Board who will advise the Institute on all matters, and act as liaison between the aerospace industry and the Institute. In particular, it will:

- ensure that the Institute is properly informed as to the expectations of the aerospace industry
- help articulate the goals of the Institute, provide advice on strategic planning, and assist in curriculum development, as well as in the evaluation of its performance
- provide the Institute with effective links with industry and government bodies
- assist the Institute in attracting speakers, lecturers, and visiting faculty from among practicing engineers.

The Institute will be partially supported by contributions from the aerospace industry, spearheaded by Pratt & Whitney Canada (P&WC), whose members will constitute the Advisory Group of the Institute.

The following services will be provided to members of the Advisory Board:

- reduced fees for advanced and short courses
- access to the facilities of the Institute
- tailored design and research projects
- priority access to recruitment of students as internships or on part-time basis to address their immediate needs
- accreditation of industries in-house advanced courses.

Nabil Esmail, Ph.D.

Dean,
Faculty of Engineering
and Computer Science,
Concordia University

Hany Moustapha, Ph.D.

Manager,
P&WC Technology & Technical Education,
Pratt & Whitney Canada Corp.
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